

Ten of the 16 executive agencies are engaged in energy performance contracting (EPC), four departments occupy leased space only, and two agencies are exploring EPC feasibility.

Each executive department, 17 institutions of higher education, the Secretary of State's Office, and the Attorney General's Office have **energy and water management plans** in place.

In 2008, the Governor's Energy Office plans to implement a **utility management database** to track and manage the State's energy and water use.

The SFY 2005-06 baseline for **petroleum consumption is approximately 2.5 million gallons**.

More than **14,000 RTD Eco Passes** were sold to the state and its employees for use in calendar year 2008.

As a result of the "**Transportation Efficiency Audit**," the number of hybrid FY 2008-09 replacement vehicles approved increased from 91 to 216. Bidders of 2009 model-year vehicles will provide a "cost of ownership" analysis to include the cost of fuel during the State's ownership.



**Governor's
Energy Office**

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State employees taking a position of leadership to reduce the environmental impact of state government operations.

Greening Government Status Report

June 2008



Learn more about Greening Government at
www.colorado.gov/energy/greening

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Greening Government Executive Order Directives	Completed	Planned
Establish Greening Government Manager	X	
Implement department energy plans	X	X
Council coordination	X	
Appoint Council representative	X	
Develop policies and procedures		X
Prepare annual report card		X
Develop educational material	X	X
Educate employees	X	X
Maintain environmental outcomes database		X
Report measures to DPHE		X

Greening Government Detailed Implementation

Reduce State Energy Consumption

Maintain Department Energy Management Plan	X	X
Conduct performance contracting feasibility	X	X
Repeat feasibility studies		X
Performance Contract Contingency		
Designate Department Energy Manager	X	
Energy Manager Training	X	X

Resource Management, Environmentally Preferable Purchasing (EPP)

Develop zero waste strategies		X
Develop public health& environment strategies		X
Develop EPP		X
Implement EPP		X
Purchase Energy-Star®	X	X
Develop sustainability standards / leased space		X

Greening State Fleet

Restrict purchase of 4WD SUV	X	X
Priority replacements pre-1996	X	X
Acquire hybrid, FFV, low-emission	X	X
State employee education	X	X
Dept of Agriculture to purchase FFV	X	X
Explore aggregate purchasing strategy		X
Use 20% bio-diesel in diesel vehicles		X
Track fuel type	X	X
Conduct transportation efficiency audit	X	
Provide report to the Governor	X	
Employee public transit travel preferences	X	X

Renewable Energy Sources

Implement renewable outreach program	X	X
Provide technical support	X	X
Explore funding and feasibility	X	X

ENERGY & WATER

The Department of Corrections is enthusiastic about the potential for renewables at their facilities.



The Department of Corrections Green Team (l-r): Diana Dean, Patty Pettus, and Shirley Divido

Department of Human Services building automation system is one of the top five Siemens' systems by size in the state, and part of a Performance Contract that will result in \$1.88 million annual savings. The system controls all mechanical and electrical systems throughout DHS facilities.

A xeriscape project at the **Public Health and Environment's Lowry Lab** saved approximately 1.3 million gallons of water and provided a Denver Water rebate of \$38,500 over five years.

The Department of Labor and Employment's Denver office, 251 E. 12th Avenue, is expected to receive LEED for Existing Building certification by August. If successful, it will be the first Colorado building to be recognized for excellence in both its design and construction under LEED for New Construction, and its operations and management under LEED for Existing Building certification.

PETROLEUM

The Department of Agriculture purchased RTD Eco Passes for Denver employees to encourage alternate forms of commuting and provide a cost-effective mechanism for some state travel. Department employees use RTD's skyRide to DIA when traveling on State business.

The Department of Local Affairs adopted a policy of purchasing only *hybrid vehicles* except when the business case can be made to purchase something different.

Although the majority of the **Colorado State Patrol** fleet is exempt (law enforcement) from the Greening Government Executive Order, CSP is introducing more flex-fuel vehicles into its fleet, and continues to research add-on equipment for efficacy and energy savings (for example, light bars for enforcement vehicles).



Video conferencing capabilities across the state are in place at five major **Division of Wildlife** offices. There have been 72 video conferences this year.

The Division of Reclamation and Mining Safety is using mobile computing equipment in the field to reduce trips into the office for data back-up and retrieval.

The new flextime policy at **Department of Health Care Policy and Financing** allows for alternative work schedules. The monthly Medical Services Board meeting is now available to the public via Audio Streaming which allows attendees to listen from home or office and not have to commute to the meeting location.

MATERIALS & RESOURCES

The Department of Law partnered with **DPA** to convert over 450,000 Peace Officer Standards Training paper documents to images. This eliminated the content of 100 file drawers, and allows DOL staff to quickly and efficiently retrieve and send documents.

The 8th Judicial District Probation Office eliminated Styrofoam cups, Styrofoam and paper plates and plastic utensils in the workplace.

The furniture panels in newly leased space at the **Governor's Energy Office** were salvaged from another office building.

The Sterling Correctional Facility diverts approximately 55% of its solid waste from the landfill by recycling and composting.

The Department of Regulatory Agencies is organizing an e-scrap waste event for employees working in the Capitol Complex area.

EDUCATION & ADVOCACY

Over 30 planning and implementation grants have been awarded by the **Colorado Water Conservation Board** for statewide water conservation activities.

Denver's Bike to Work Day, June 25, will kick-off a greening awareness campaign at the **Department of Higher Education**. In addition to encouraging employees to bike or otherwise avoid automobile use that day, DHE will provide energy and water conservation sessions as well as recycling and other greening ideas. Green prizes and fun activities will help encourage all employees to participate.

RENEWABLE ENERGY

The Colorado Geological Survey is actively working with the **Governor's Energy Office** to develop statewide maps of Colorado's geothermal potential. The geologic characteristics of the state, along with new geothermal power plant technology, provide exciting opportunities for this renewable energy source.

State Parks reached an agreement with United Power to install electric thermal storage units at the **Golden Gate State Park** at no cost to the State. The installation will reduce peak energy demand by converting electric to thermal energy during off-peak hours and release the stored thermal energy during peak hours to meet demand without paying peak energy rates.

Incorporating a transpired solar collector into a ventilation project at the **Department of Military and Veteran's Affairs Buckley Air Force Base** aviation hanger was an innovative project. DMVA's sensible approach to energy management "we make energy conservation considerations a part of every project" made it possible to undertake a successful renewable energy project.

The State Land Board and a private partner installed a measurement device at the Lowry Range to determine the solar resources available to supply power on the 3,870-acre planned community southeast of Denver.

